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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
213-0084WO International application No.	International filing date (day/ma		Priority date (day/month/year)	
••				
PCT/US03/28759 International Patent Classification (IPC)	12 September 2003 (12.09.200) or national classification and IPC		13 September 2002 (13.09.2002)	
IPC(7): B01D 51/00, 53/00; C12M 1/36 Applicant	i, 1/38, 3/00 and US Cl.: 435/4,	1, 174, 286.6		
••				
VALENTIS, INC.				
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of	2. This REPORT consists of a total of 3 sheets, including this cover sheet.			
which have been ame	ended and are the basis for this	report and/or	description, claims and/or drawings sheets containing rectifications made inistrative Instructions under the PCT).	
These annexes consist of a	a total of sheets.		EPO - DG 1 '	
This report contains indicate	ations relating to the following	items:		
I Basis of the rep	ort		1 2. 11. 2GG4	
II Priority				
·III Non-establishm	ent of report with regard to no	velty, inventive	e step and industrial applicability	
IV Lack of unity o	IV Lack of unity of invention			
V Reasoned states	- End reported partitions affect 22(2) what reflaid to moverty, inventive step of intrinstrial		ty, inventive step or industrial	
<u> </u>	applicability; citations and explanations supporting such statement		ment .	
	VI Certain documents cited			
VII Certain defects	VII Certain defects in the international application			
VIII Certain observa	tions on the international appli	cation		
Date of submission of the demand	Date	of completion	of this report	
26 March 2004 (26.03.2004)		eptember 2004 (27.09.2004)	
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US		Arized officer	0.00.11	
Commissioner for Patents	Ate	averie	Bell-Harrisfor	
P.O. Box 1450 Alexandria, Virginia 22313-1450	Tola	nhana Na (57)		
Facsimile No. (703) 305-3230 g. Telephone No. (571) 272-1600) 2/2-1000	

;

		_
International	application	No

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/US03/28759

I.	Basis	s of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	\boxtimes	the description:
		pages 1-27 as originally filed
		pages NONE, filed with the demand
	~ 3	pages NONE , filed with the letter of
	\mathbf{Z}	the claims:
		pages 28-31, as originally filed pages NONE, as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE, filed with the letter of
	\boxtimes	the drawings:
	س	pages 1-7, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
		pages NONE as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
,	M/iel	regard to the language, all the elements marked above were available or furnished to this Authority in the
٠.		regard to the international application was filed, unless otherwise indicated under this item.
		e elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With inter	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
	Щ	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
ŀ.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
	_	the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
th	s repo	recount the discounter as incl. as included in the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/28759

V.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement
1.	STATEMENT

Novelty (N)

Claims 1-23

Claims NONE

NO

 Inventive Step (IS)
 Claims
 1-23
 YES

 Claims
 NONE
 NO

Industrial Applicability (IA)

Claims 1-23

YES

Claims NONE

NO

2. CITATIONS AND EXPLANATIONS

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Claims 1-23 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an apparatus for inducing phase separation in a pharmaceutical grade cell lysate comprising a conduit comprising a cell lysate solution in fluid communication with a gas port through which a gas is forced under pressure into the conduit comprising the cell lysate solution thereby controllably forming bubbles in the cell lysate solution. Furthermore, the prior art does not teach or fairly suggest an apparatus for pharmaceutical grade bacterial lysis comprising a fluid flow path comprising and in fluid communication with: a cell lysis buffer conduit, a cell suspension conduit, a precipitation buffer conduit, and a gas introduction port comprising a plurality of pores for controllably inducing a stream of bubbles into the fluid flow path.

Claims 1-23 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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